Dissect oocyte clutches from superovulated female mice

↓ Remove cumulus mass with 300 μg/ml hyaluronidase

+ Place oocytes in 100 μl PBS/BSA While watching under a dissecting microscope, Add 150 µl Tyrode's solution

When the zonae pellucida of most of the oocytes are reduced in thickness by half, add 3 ml PBS/BSA

Transfer oocytes to HTF medium for IVF

Figure 1

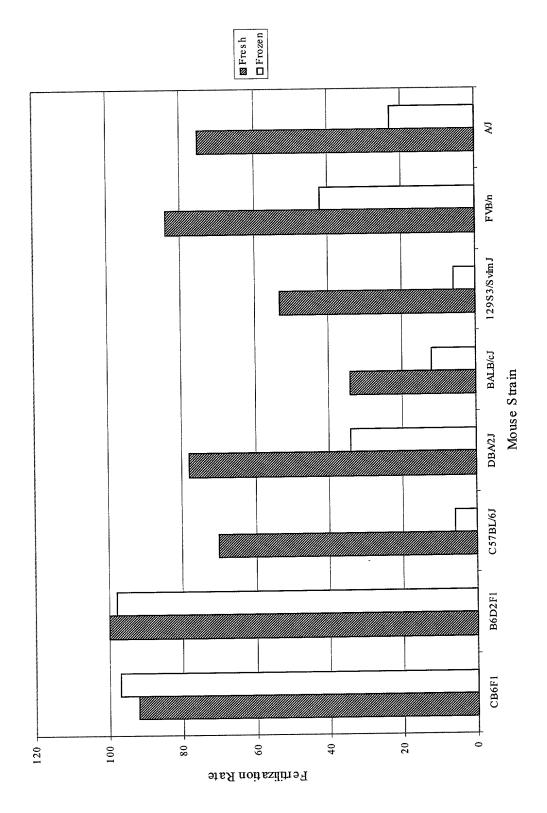


Figure 2

Strain Strain Name Number	Number of Oocytes	Number of Two Cells	Percent Two Cell	Number of Blastocysts	Percent Blastocysts	Number of Pups	
3873 B6AF1/.L(Puff)	303	92	46.70	29	72.83	τ-	
3874 B6AF1/J-(Blossom)		149	80.54	120	80.54	7	
2197 C57B1 /6.1-Col1a1 <mov13></mov13>	248	7	3.00	0	0.00	0	
2298 B6 Ca-TaN(SOD1)2Gur		64	23.97	41	21.88	0	
3253 B6;129P-Hbb-b1 <tm1unc> Hbb-b2<tm1unc></tm1unc></tm1unc>	414	37	8.94	10	27.03	0	
2681 B6_129P2-Aat <tm1unc></tm1unc>	393	44	11.37	က	6.82	0	
2984 B6 129S1-I112rb1 <tm1jm></tm1jm>	360	126	37.61	65	51.59	0	
2972 B6:129S-Sod1 <tm1leb></tm1leb>		61	25.52	19	31.15	0	
2197 C57BL/6J-Cola1 <mov13></mov13>	240	33	14.54		0.00	0	
3253 B6;129P-Hbb-b1 <tm1unc> Hbb-b2<tm1unc></tm1unc></tm1unc>	240	58	27.10		0.00	0	
3185 C57BL/6-TgN(PRG1)18Wlad	174	62	35.63	13	20.97	0	
2494 B6:129S-Cga <tm1sac></tm1sac>	279	170	66.67	37	21.76	0	
3185 C57BL/6-TqN(PRG1)18Wlad	231	81	40.30	4	4.94	0	
2741 B6.129S7-Akp2 <tm1sor></tm1sor>	234	74	35.07	36	48.65	0	
2681 B6.129P2-Aqt <tm1unc></tm1unc>	233	71	33.97	20	28.17	~	
2929 C57BL/6-	192	103	53.65	92	73.79	0	
TgN(TcrOva)1100.1Mjb 3333 C57BL/6-TqN(TF-CAT)48Gsa	231	47	22.07	17	36.17	0	
2963 B6:129-Pcsk2 <tm1dfs></tm1dfs>	258	168	65.63	58	34.52	0	
2463 B6.129S2-ltga4 <tm1hyn></tm1hyn>		130	86.67	79	60.77	₹- (
2972 B6;129S-Sod1 <tm1leb></tm1leb>	211	22	11.06		0.00	0 (
2972 B6;129S-Sod1 <tm1leb></tm1leb>	351	12	4.00		0.00	0	
2816 B6.129-II2rb <tm1mak></tm1mak>	241	102	44.35	6	8.82	0	
3186 C57BL/6-TgN(PRG3)9Wlad	266	187	82.02	7	1.07	0	
3321 B6 129S6-Gba <tm1nsb></tm1nsb>	285	105	36.84	τ-	0.95	0	
3138 B6 129-Hort <tm1detl></tm1detl>	344	99	19.94	ಬ	7.58	0	
2727 B6;129S-Ahrtm1Bra	247	72	29.15	-	1.39	0	

Figure 3

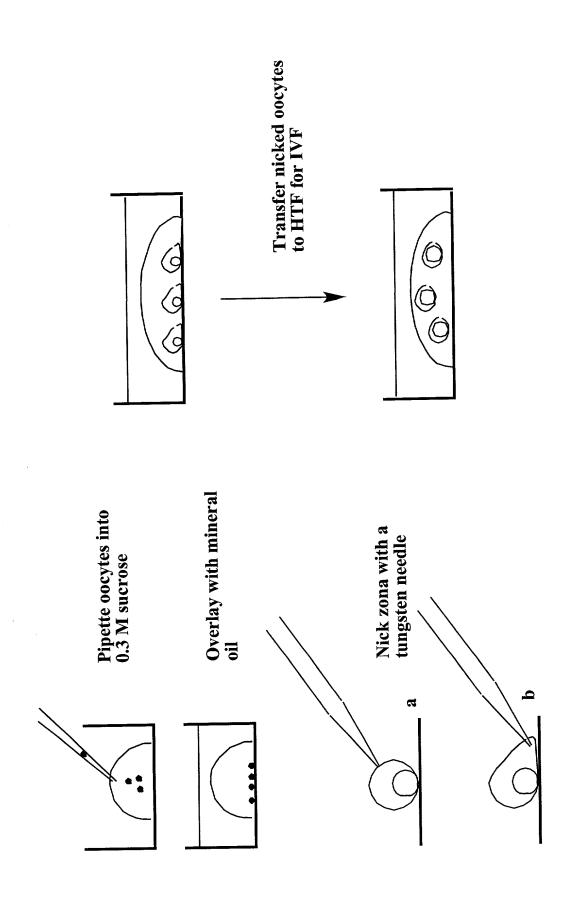


Figure 4

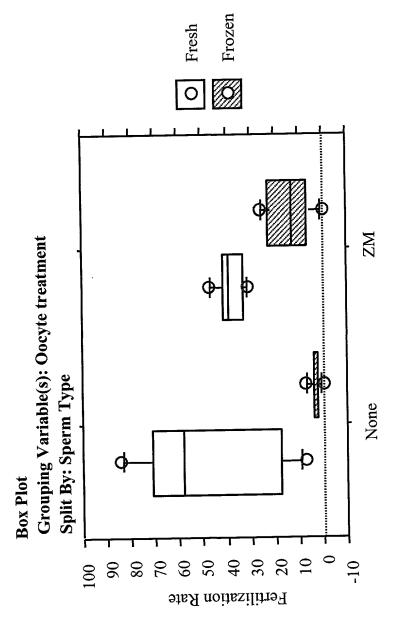


Figure 5

Strain	No	Zona	Laser
	Treatment	Melt	Nick
B6 Co-ToNftTAhCMV13Uh	4.73	31.39	18.64
C3HeR 129S7[B6]-Kcna1 <tm1tem></tm1tem>	16.82	33.61	5.36
C57BI /6-ToNII CK-NFKBIA15Dwb	20.32	33.59	55.58
R6SII,-ToNISOD1-G93Al1Gur <dl></dl>	30.71	22.18	30.91
FVB/N-ToNfMMTVPvVT1634Mul	6.62	7.76	6.61
B6.129S2-Pomc <tm1low></tm1low>	34.72	38.8	54.04

Figure 6

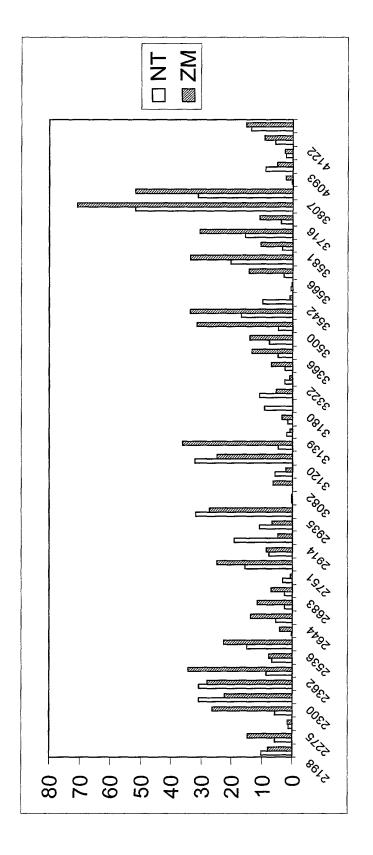


Figure 7